

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A glass comprising in mole percent based on oxide:

SiO ₂	55-70
PbO	30-38
Na ₂ O	>0-4.5
K ₂ O	0-2.5

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

2. (Currently Amended) A glass according to claim 1, further comprising in mole percent based on oxide:

Al ₂ O ₃	0 <u>0.1</u> - 5.0
ZrO ₂	0 <u>0.1</u> -5.0
Sum Al ₂ O ₃ + ZrO ₂	>0-8

3. (Original) A glass according to claim 1 further comprising in mole percent based on oxide:

ZnO	0-5.0
As ₂ O ₃	>0-0.4

4. (Currently Amended) A glass comprising in mole percent based on oxide:

SiO ₂	49-60
PbO	33-45
Na ₂ O	>0-3.5
K ₂ O	0-2.5

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

5. (Currently Amended) A glass according to claim 4, further comprising in mole percent based on oxide:

Al ₂ O ₃	0 0.1-5.0
ZrO ₂	>0 0.1-5.0
Sum Al ₂ O ₃ + ZrO ₂	>0-8

6. (Original) A glass according to claim 4 further comprising in mole percent based on oxide:

ZnO	0-5.0
As ₂ O ₃	>0-0.4

7. (Currently Amended) A glass made by adding together and melting, in mole percent:

SiO ₂	55-70
PbO	30-38
Na ₂ O	>0-4.5
K ₂ O	0-2.5

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

8. (Currently Amended) A glass made by adding together and melting, in mole percent:

SiO ₂	49-60
PbO	33-45
Na ₂ O	>0-3.5
K ₂ O	0-2.5

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

9. (Currently Amended) A glass comprising in mole percent based on oxide:

SiO ₂	49-70
PbO	30-45
Na ₂ O	0-5
K ₂ O	0-3
Sum Na ₂ O + K ₂ O	>0-5
Sum B ₂ O ₃ + Al ₂ O ₃ + Y ₂ O ₃ + La ₂ O ₃ + ZnO + MoO ₃ + TaO ₅ + ZrO ₂ + WO ₃ + In ₂ O ₃	0-10

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

10. (Currently Amended) A glass comprising in mole percent based on oxide:

SiO ₂	49-70
PbO	30-45
Na ₂ O	0-5
K ₂ O	0-3
Sum Na ₂ O + K ₂ O	>0-5
Sum ZrO ₂ + Al ₂ O ₃	>0-8

and >0 - 5% Al₂O₃ and ZrO₂, and essentially free of TiO₂.

11. (Cancelled).

12. (Currently Amended) A glass made by adding together and melting, in mole percent:

SiO ₂	49-70
PbO	30-45
Na ₂ O	0-5
K ₂ O	0-3
Sum Na ₂ O + K ₂ O	>0-5

Sum $B_2O_3 + Al_2O_3 + Y_2O_3 + La_2O_3 + ZnO$ + $MoO_3 + TaO_5 + ZrO_2 + WO_3 + In_2O_3$	0-5
---	-----

and $\geq 0 - 5\%$ Al_2O_3 and ZrO_2 , and essentially free of TiO_2 .

13. (Currently Amended) A glass according to claim 7 comprising lead and silicon, having a SOC of 1.00 to 2.00 and a CR of 3 or less in combination with a SR of 5 or less.

14. (Currently Amended) A glass according to claim 8 comprising lead and silicon, having a SOC ~~or~~ of less than 1.00 and a CR of 4 or less in combination with a SR of 51 or less.

Al 15. (Original) A glass according to claim 1 having a SOC of 1.00 to 2.00 and a CR of 3 or less in combination with a SR of 5 or less.

16. (Original) A glass according to claim 4 having a SOC of less than 1.00 and a CR of 4 or less in combination with a SR of 53 or less.

17. (Original) A glass according to claim 9 having a SOC of less than 2.00 and a CR of 3 or less in combination with a SR of 5 or less.

18. (Original) A glass according to claim 9 having a SOC of less than 1.00 and a CR of 4 or less in combination with a SR of 53 or less.

19. (Original) A glass according to claim 2 further comprising in mole percent based on oxide:

ZnO	0-5.0
As_2O_3	$>0-0.4$

Ar --20. (New) A glass according to claim 1, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

21. (New) A glass according to claim 4, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

22. (New) A glass according to claim 7, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

23. (New) A glass according to claim 8, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

92
Cont 24. (New) A glass according to claim 9, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

25. (New) A glass according to claim 10, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .

26. (New) A glass according to claim 12, wherein the glass comprises in mole percent based on oxide 0.1 - 5% Al_2O_3 or ZrO_2 .--
